

SCREENING SITE INSPECTION WORK PLAN
FOR
BELVIDERE PUBLIC WELL #6
BELVIDERE, IL 61008
U.S. EPA ID: ILD981960768
SS ID: NONE
TDD: F05-8901-017
PAN: FILO675SA

APRIL 28, 1989

US EPA RECORDS CENTER REGION 5



491519

Elements of this Screening Site Inspection Work Plan are considered confidential and pre-decisional in nature. Material and information contained within this report may not be released without the approval of the United States Environmental Protection Agency Region V Pre-Remedial Unit.



ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

International Specialists in the Environment

recycled paper

WORK PLAN 1

SITE MAPS 2

HRS WORKSHEETS 3

APPENDIX 4

REFERENCES 5

WORK PLAN

SITE INSPECTION WORK PLAN

THIS DOCUMENT IS CONFIDENTIAL. Due to the predecisional nature of this document, this document and its attachments are not to be released without prior approval of the United States Environmental Protection Agency (U.S. EPA).

This site inspection work plan (WP) has been prepared by Ecology and Environment, Inc., or its subcontractor, C. C. Johnson and Malhotra, P. C., under the field investigation team (FIT) contract with U.S. EPA (No. 68-01-7347).

The objectives of this WP are to:

- o Prepare a preliminary Hazard Ranking System (HRS) score using HRS 1 (40 CFR 300, July 16, 1982) criteria based on existing file information (Part C of WP);
- o Prepare projected HRS 1 scores based on experience and professional judgement (Part C of WP);
- o Identify HRS 1 score data gaps (Part F of WP); and
- o Propose site inspection activities to satisfy the HRS 1 score data gaps; technical approach and estimated LOE are provided (Parts F and J, respectively).

Unless otherwise stated, QA/QC protocol for site inspection activities are documented in the Quality Assurance Project Plan Region V FIT Conducted Site Inspections - May 1, 1987.

A. GENERAL INFORMATION

CERCLIS SITE NAME: BELVIDERE Public Well #6
ALSO KNOWN AS: _____
FORMERLY KNOWN AS: _____
ADDRESS: McKINLEY AVE. (NEAR WATER TOWER)
CITY: BELVIDERE
STATE: ILLINOIS
COUNTY: BOONE
ZIP CODE: 61008
U.S. EPA ID: IL0981960768
SSID: NONE
TDD: F05-8901-017
PAN: F106755A

FIT USE ONLY

WORK PLAN TYPE: SCREENING SITE INSPECTION (SSI) WORK PLAN

OTHER: _____

PREPARED BY: Tim Mayers (FIT) DATE: 4/26/89

REVIEWED BY: Regina Bayer (FIT) DATE: 4/27/89

APPROVED BY: Regina Bayer (FIT) DATE: 4/27/89

U.S. EPA USE ONLY

REVIEWED BY: _____ (U.S. EPA) DATE: _____

- ___ WORK PLAN APPROVED. Recommend issuance of TDD to implement the Work Plan.
___ WORK PLAN APPROVED. No Further Remedial Action Planned (NFRAP).
___ WORK PLAN REJECTED.

COMMENTS: _____

B. SITE INFORMATION

This section of the WP presents current and historic information pertaining to the site, including: site operations, storage/disposal methods, site property area, site status, owners and operators, permit information, and response/enforcement activities. A site location map is shown on Figure 1, located in Section 2.

1. Site Operations (past and present; check all that apply):

- | | | | |
|--------------------------|-----------------------|-------------------------------------|-----------------------------|
| <input type="checkbox"/> | Above ground storage | <input type="checkbox"/> | Mining site |
| <input type="checkbox"/> | Below ground storage | <input type="checkbox"/> | Open dump |
| <input type="checkbox"/> | Chemical manufacturer | <input type="checkbox"/> | Ore processor |
| <input type="checkbox"/> | Drum recycler | <input type="checkbox"/> | Physical/chemical treatment |
| <input type="checkbox"/> | Electroplater | <input type="checkbox"/> | Recycler/reclaimer |
| <input type="checkbox"/> | Foundry | <input type="checkbox"/> | Surface impoundment |
| <input type="checkbox"/> | Incinerator | <input type="checkbox"/> | Underground injection |
| <input type="checkbox"/> | Landfarm | <input checked="" type="checkbox"/> | Well field |
| <input type="checkbox"/> | Landfill | <input type="checkbox"/> | Wood preserver |
| <input type="checkbox"/> | Midnight dump | <input type="checkbox"/> | Other: _____ |
| | | | _____ |
| | | | _____ |

References: _____, _____, _____, _____

2. Storage/Disposal Methods (past and present; check all that apply):

	Waste Quantity (amount/units of measure)
<input type="checkbox"/> Drums, above ground	_____
<input type="checkbox"/> Landfarm	_____
<input type="checkbox"/> Landfill	_____
<input type="checkbox"/> Open dump	_____
<input type="checkbox"/> Piles	_____
<input type="checkbox"/> Surface impoundment	_____
<input type="checkbox"/> Tank, above ground	_____
<input type="checkbox"/> Tank, below ground	_____
<input checked="" type="checkbox"/> Other: <u>N/A</u>	_____

References: _____, _____, _____, _____

3. Site Property Area: municipal well (acres)

References: _____, _____, _____, _____

4. Site Status: X Active _____ Inactive

References: 1, _____, _____, _____

5. Owner/Operator History

Current Owner

Name: City of BELVIDERE
Address: 123 South STATE ST.

City, State, Zip Code: BELVIDERE, IL. 61008

Years of Ownership: 34 yrs.

Current Operator

Name: City of BELVIDERE
Address: 123 South STATE ST.

City, State, Zip Code: BELVIDERE, IL., 61008

Type of Operation: Municipality
Years of Operation: 34 yrs.

Previous owners
(list most recent first)

Name: SAME AS ABOVE
Address: _____

City, State, Zip Code: _____

Years of Ownership: _____

Previous operators
(list most recent first)

Name: SAME AS ABOVE
Address: _____

City, State, Zip Code: _____

Type of Operation: _____
Years of Operation: _____

Name: SAME AS ABOVE
Address: _____

City, State, Zip Code: _____

Years of Ownership: _____

Name: SAME AS ABOVE
Address: _____

City, State, Zip Code: _____

Type of Operation: _____
Years of Operation: _____

References: 1, _____, _____, _____

6. Permit Information

____ NPDES
____ UIC
____ AIR
____ RCRA, PART A PART B
____ SPCC PLAN
____ STATE (specify): _____
____ LOCAL (specify): _____
____ OTHER (specify): _____
X NONE

Effective Date

Expiration Date

References: 1, _____, _____, _____

7. Response Activities (previous and current site remediation; check all that apply):

- | | |
|---|--|
| <input type="checkbox"/> Water supply closed | <input type="checkbox"/> Cutoff trenches/sump |
| <input type="checkbox"/> Temporary water supply provided | <input type="checkbox"/> Subsurface cutoff wall |
| <input type="checkbox"/> Permanent water supply provided | <input type="checkbox"/> Barrier wall constructed |
| <input type="checkbox"/> Spilled material removed | <input type="checkbox"/> Capping/covering |
| <input type="checkbox"/> Contaminated soil removed | <input type="checkbox"/> Bulk tankage repaired |
| <input type="checkbox"/> Waste repackaged | <input type="checkbox"/> Grout curtain constructed |
| <input type="checkbox"/> Waste disposed elsewhere | <input type="checkbox"/> Bottom sealed |
| <input type="checkbox"/> On-site burial | <input type="checkbox"/> Gas control |
| <input type="checkbox"/> In situ treatment | <input type="checkbox"/> Fire control |
| <input type="checkbox"/> Encapsulation | <input type="checkbox"/> Leachate treatment |
| <input type="checkbox"/> Emergency waste treatment | <input type="checkbox"/> Area evacuated |
| <input type="checkbox"/> Cutoff walls | <input type="checkbox"/> Access to site restricted |
| <input type="checkbox"/> Emergency diking/surface water diversion | <input type="checkbox"/> Population relocated |

Other remedial and enforcement activities: NONE

References: _____, _____, _____, _____

8. Additional Site Information: BEVIDERE Public Well #6 has been sampled at least 7 times since 11/19/85. 11/19/85 sampling detected 1,1,1-Trichloroethylene (2.6 ppb), Trichloroethylene (2.2 ppb), Tetrachloroethylene (2.6 ppb), 1,1-Dichloroethylene (2.7 ppb). 8/26/86 sampling detected Trichloroethylene (1.0 ppb), Tetrachloroethylene (1.0 ppb), Methylene Chloride (1.5 ppb). 7/10/87 sampling detected Tetrachloroethylene at 1.2 ppb. 10/26/87 sampling detected 1,1-Dichloroethylene (2.0 ppb). 2/11/88 sampling detected Tetrachloroethylene (2.0 ppb) and an unidentified compound at (10.0 ppb). All sampling conducted by Illinois Environmental Protection Agency (IEPA) except for 7/10/87 sampling. AQUALAB, Inc.; BARTLETT, IL. sampled well on this date.

References: _____, _____, _____, _____

9. Documented and Alleged Target Compounds

Documented and alleged target compounds are compiled in Table 1. The documented target compounds are supported by analytical data from previous sampling projects. The alleged target compounds are based on the history of site operations and professional judgement. Documented and alleged target compound locations are shown on Figure 2, located in Section 2. As documented contamination is at depth in a municipal well, the documented and alleged target compound location map has been excluded; see Figure 1 for well location.

LOCATON	CMPND STATUS		MATRIX (✓)						DOCUMENTED COMPOUND AND CONCENTRATION OR ALLEGED COMPOUND AND RATIONALE	REFERENCE		
	DOCU	ALLEG	SOIL	SED	GW	SW	AIR	WSTE			OTHR	
A	X				X					1,1,1-Trichloroethylene 2.6 ppb	IEPA sampling RESULTS from 4/19/85	1
A	X				X					Trichloroethylene 2.2 ppb		1
A	X				X					Tetrachloroethylene 2.6 ppb		1
A	X				X					1,1-Dichloroethylene 27 ppb		1
A	X				X					Trichloroethylene 1.0 ppb	IEPA sampling RESULTS from 8/26/85	1
A	X				X					Tetrachloroethylene 1.0 ppb		1
A	X				X					Methylene chloride 1.5 ppb		1
A	X				X					Tetrachloroethylene 1.2 ppb	Aqua Lab, Inc.; Bartlett Ill. 000 8/16/87 sampling results	1
A	X				X					1,1-Dichloroethylene 2.0 ppb	IEPA sample RESULTS from 10/26/87.	1
A	X				X					Tetrachloroethylene 2.0 ppb	IEPA sample RESULTS from 2/1/88	1

Table 1
DOCUMENTED/ALLEGED TARGET COMPOUND LIST

Non - Responsive

E. WORK SUMMARY

Based on the preliminary and projected HRS scores, a site inspection will be performed.

The objectives of the site inspection are to:

- o Provide information to satisfy HRS data gaps;
- o Develop the information base needed to permit U.S. EPA to evaluate the need for future site activities; including: immediate removal measures, additional investigation, or no further action; and
- o Characterize hazardous substances, pollutant dispersal pathways, types of receptors, facility management practices, and potentially responsible parties.

Specific tasks to be conducted during the site inspection are (check all that apply):

- Interview site owner(s)/representative(s)
- Take photographs of site and surrounding areas
- Screen site with safety instrumentation (i.e., HNU, OVA, O₂ meter, explosimeter, radiation detector, cyanide detector)
- Collect environmental samples
- Assess the need for Immediate Removal Actions
- FASP*
- Soil gas monitoring*
- Well point installation*
- Geophysics*: _____ (Specify)
- OTHER*: _____
- _____
- _____
- _____
- _____

* Rationale for these activities and their impact on HRS data gaps:

P. PROPOSED SAMPLE PLAN

The HRS data gaps are identified in this section, and a proposed sample plan is developed based on the type of information required.

1. A) HRS data gap(s): FIT will collect additional analytical data through the collection of groundwater from the municipal well; → GROUNDWATER CHARACTERISTICS.
- B) Sampling proposed to satisfy HRS data gap(s):
Soil Sediment X GW SV Air Waste
- C) Sampling procedures (number and types of samples; equipment; methodology): 1 municipal well (Belvidere Public Well #6) will be sampled. All standard EEF sample protocol will be followed. FIT will also sample 4 residential wells in various directions from the municipal well in an effort to define a groundwater contamination plume, and to obtain a background sample.

A table of proposed sample descriptions is presented in Table 2, Section 1. A proposed sample location map is presented in Figure 3, in Section 2.

2. A) HRS data gap(s): Additional data gaps such as waste characteristics through the collection of soil/sediment samples, surface water samples,
- B) Sampling proposed to satisfy HRS data gap(s):
Soil Sediment GW SV Air Waste
- C) Sampling procedures (number and types of samples; equipment; methodology): AND AIR AND WASTE SAMPLES CAN NOT BE ADDRESSED AT THIS TIME DUE TO THE LACK OF POTENTIAL SOURCE(S). FIT BELIEVES THAT THIS INFORMATION COULD BE MORE ACCURATELY GATHERED AT THE LOONY SITE INSPECTION (LSI) STATE.

A table of proposed sample descriptions is presented in Table 2, Section 1. A proposed sample location map is presented in Figure 3, in Section 2.

Note: Sample locations and/or the number of samples may be changed or eliminated at the discretion of the site team leader in response to actual site conditions during the course of the inspection.

LOCATION	MATRIX (✓)							RATIONALE FOR DETERMINING SAMPLE LOCATION	PARAMETERS ¹					
	SOIL	SED	GW	SW	AIR	WSTE	OTHR		A/B/N	Pest/ PCB	VOA	METAL	CN ⁻	OTHER
MW1			X					WASTE CHARACTERISTICS	X	X	X	X	X	
DUP.			X					DUPLICATE of MW1 WASTE CHARACTERISTICS	X	X	X	X	X	
BLK.							X	BLANK	X	X	X	X	X	
RW1			X					WASTE CHARACTERISTICS	X	X	X	X	X	
RW2			X					↓	X	X	X	X	X	
EW3			X					↓	X	X	X	X	X	
RW4			X					↓	X	X	X	X	X	
DUP.			X					DUPLICATE of (1) RESIDENTIAL well sample	X	X	X	X	X	
BLANK							X	BLANK	X	X	X	X	X	
TOTALS			7				2		9	9	9	9	9	

¹Target Compound List Attached

Table 2
PROPOSED SAMPLE DESCRIPTIONS
 (INCLUDING ALL LABORATORY BLANKS AND DUPLICATES)

G. COMMENTS

In GENERAL, FIT will GATHER ADDITIONAL DATA for municipal well contamination through the collection of GROUNDWATER SAMPLES. FIT will ALSO collect ADDITIONAL information on potential sources of the contamination. This information gathering will include DRIVE-BYS of potential sources photo-graphs where applicable, and possible interviews with LOCAL officials.

H. HEALTH AND SAFETY

Proposed E & E Health and Safety protocol to be followed during site inspection.

1. Anticipated level of protection: A B C X D

2. Level of protection modifications: SCREEN municipal well
in level D and upgrade to level C of
safety instruments warrant.

3. Work limitations (time of day, etc.): WORK will be limited
to daylight hours. Monitor team members for
heat/cold stress.

I. TYPE OF DELIVERABLE

Proposed report format to be submitted to U.S. EPA.

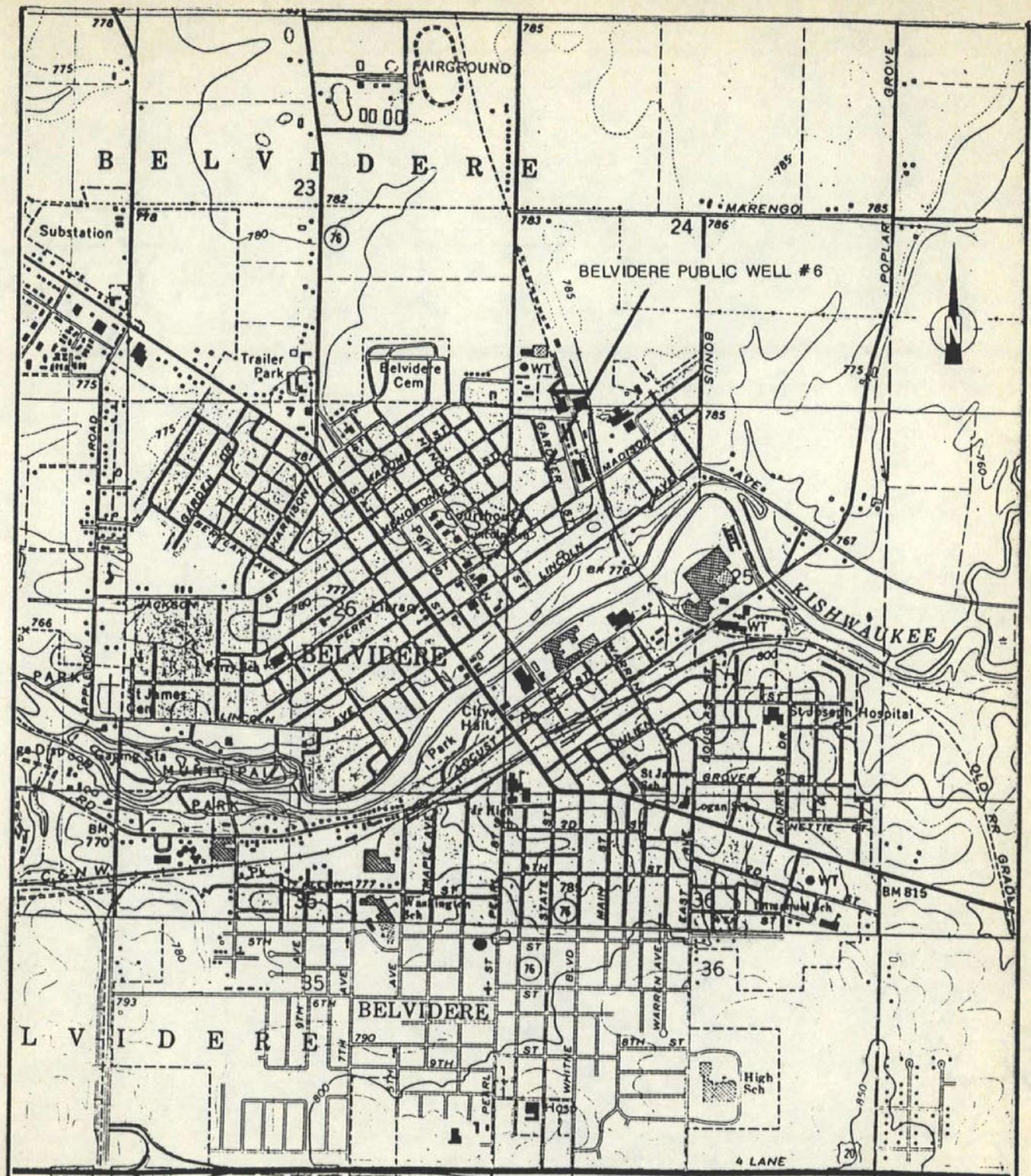
1. X SSI Report including U.S. EPA 2070-1: Form
2. Letter Report

SUBTASK CODE	SUBTASK																				TOTAL	
	General Non-Specific	File Search/Review	Work Plan	Safety Plan	QAPP	Mobilization/Demobilization	Travel	Non-Sampling Field Work	Sample Management	Field Sampling	Screening/Analytical	Subcontract	Meteorologic/Air Sampling Studies	Geophysical Work	Hydrogeological Work	Data Processing/Modeling	Data Validation	Draft Final Deliverable	Internal QA Review	Final Deliverable		Respond To Comments
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	
TEAM LEADER	12	12		8		4	7	3		16								60		20	8	150
SAFETY OFFICER	2					4	7			16												29
SAMPLER						4	7		24													35
TEAM MEMBER	2						7	2		16												27
TEAM MEMBER							7			16												23
Administration Publications	4																	20		3		4
Sample Coordinator Audit Team									4													4
QA				8													20					25
TOTALS FOR PROJECT	20	12		16		12	35	5	28	64							20	80	25	25	8	350

J. ESTIMATED LOE HOURS

SUMMARY OF PROJECTED HOURS NEEDED TO IMPLEMENT SITE INSPECTION AND COMPLETE SITE INSPECTION REPORT.

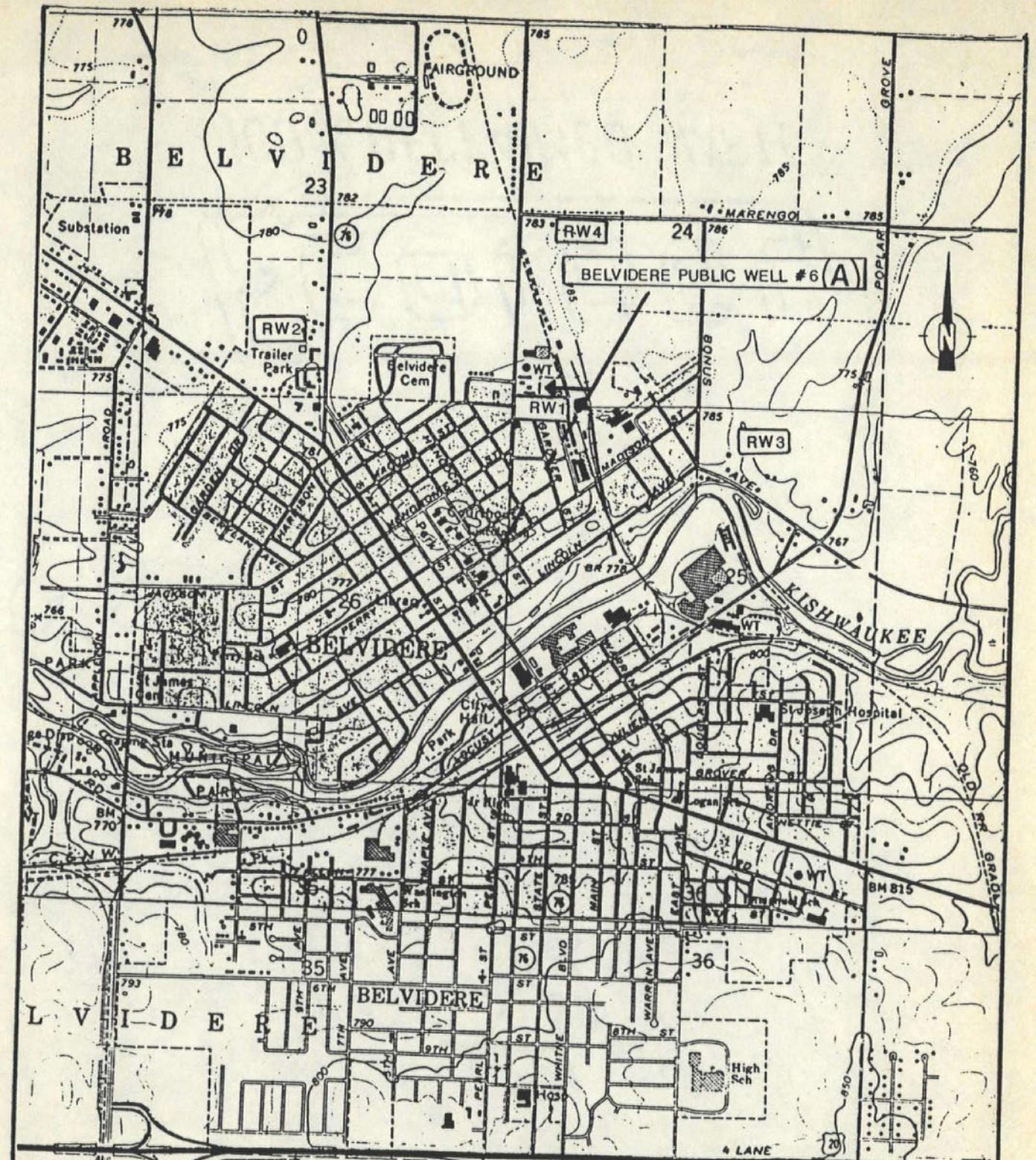
SITE MAPS



ecology and environment, inc.

111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-9415

TITLE	SITE LOCATION MAP	FIGURE #	1
SITE	BELVIDERE PUBLIC WELL # 6	SCALE	1:24,000
CITY	BELVIDERE, STATE IL.	P.A.N.	FIL0675
SOURCE	U.S.G.S. TOPOGRAPHIC MAP BELVIDERE NORTH QUAD.	DATE	1970
		REVISED	1975



ecology and environment, inc.
 111 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60604, TEL. 312-663-8416

TITLE	PROPOSED SAMPLE LOCATION MAP	FIGURE #	2
SITE	BELVIDERE PUBLIC WELL # 6	SCALE	1:24,000
CITY	BELVIDERE, STATE IL.	P.A.N.	FIL0675
SOURCE	U.S.G.S. TOPOGRAPHIC MAP BELVIDERE NORTH QUAD.	DATE	1970
		REVISED	1975

Non - Responsive

Unable to score route, documented contamination is within groundwater.

FIRE AND EXPLOSION

PRELIMINARY HRS SCORE WORKSHEET					
(This score is based on existing file information that was obtained prior to the Screening Site Inspection.)					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Description	Ref. #
1 Containment	0 3	x1			
2 Waste Characteristics					
Direct Evidence	0 3	x1			
Ignitability	0 1 2 3	x1			
Reactivity	0 1 2 3	x1			
Incompetability	0 1 2 3	x1			
Haz. Waste Quantity	0 1 2 3 4 5 6 7 8	x1			
Total Waste Char. Score					
3 Targets					
Dist. to Nearest Pop.	0 1 2 3 4 5	x1			
Dist. to Nearest Bldg.	0 1 2 3	x1			
Dist. to Sensitive Env.	0 1 2 3	x1			
Land Use	0 1 2 3	x1			
Pop. Within 2 miles	0 1 2 3 4 5	x1			
Bldgs. Within 2 miles	0 1 2 3 4 5	x1			
Total Targets Score					
4 Multiply 1 x 2 x 3					
5 Divide line 4 by 1,440 and multiply by 100 $S_{FE} =$					

1 1

Unable to score route, documented contamination
is within GROUNDWATER

FIRE AND EXPLOSION

PROJECTED HRS SCORE WORKSHEET FOR SCREENING SITE INSPECTION (SSI)					
(This score is based on the expected acquisition of information from the Screening Site Inspection.)					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Description	Ref. #
1 Containment	0 3	x1			
2 Waste Characteristics					
Direct Evidence	0 3	x1			
Ignitability	0 1 2 3	x1			
Reactivity	0 1 2 3	x1			
Incompatibility	0 1 2 3	x1			
Haz. Waste Quantity	0 1 2 3 4 5 6 7 8	x1			
	Total Waste Char. Score				
3 Targets					
Dist. to Nearest Pop.	0 1 2 3 4 5	x1			
Dist. to Nearest Bldg.	0 1 2 3	x1			
Dist. to Sensitive Env.	0 1 2 3	x1			
Land Use	0 1 2 3	x1			
Pop. Within 2 miles	0 1 2 3 4 5	x1			
Bldgs. Within 2 miles	0 1 2 3 4 5	x1			
	Total Targets Score				
4 Multiply 1 x 2 x 3					
5 Divide line 4 by 1,440 and multiply by 100					
			$S_{FE} =$		

Unable to score route, documented contamination
is within GROUNDWATER

FIRE AND EXPLOSION

PROJECTED HRS SCORE WORKSHEET FOR LISTING SITE INSPECTION (LSI)					
(This score is based on the expected acquisition of information from the Listing Site Inspection.)					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Description	Ref. #
1 Containment	0 3	x1			
2 Waste Characteristics					
Direct Evidence	0 3	x1			
Ignitability	0 1 2 3	x1			
Reactivity	0 1 2 3	x1			
Incompatibility	0 1 2 3	x1			
Haz. Waste Quantity	0 1 2 3 4 5 6 7 8	x1			
Total Waste Char. Score					
3 Targets					
Dist. to Nearest Pop.	0 1 2 3 4 5	x1			
Dist. to Nearest Bldg.	0 1 2 3	x1			
Dist. to Sensitive Env.	0 1 2 3	x1			
Land Use	0 1 2 3	x1			
Pop. Within 2 miles	0 1 2 3 4 5	x1			
Bldgs. Within 2 miles	0 1 2 3 4 5	x1			
Total Targets Score					
4 Multiply 1 x 2 x 3					
5 Divide line 4 by 1,440 and multiply by 100					
			$S_{FE} =$		

Route NOT SCORED, DOCUMENTED CONTAMINATION IS
WITHIN GROUNDWATER

DIRECT CONTACT

PRELIMINARY HRS SCORE WORKSHEET					
(This score is based on existing file information that was obtained prior to the Screening Site Inspection.)					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Description	Ref. #
1 Observed Incident	0 45	x1			
If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2					
2 Accessibility	0 1 2 3	x1			
3 Containment	0 15	x1			
4 Waste Characteristics					
Toxicity	0 1 2 3	x5			
5 Targets					
Pop. Within 1 mile	0 1 2 3 4 5	x4			
Dist. to Crit. Habitat	0 1 2 3	x4			
	Total Targets Score				
6	If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5				
7	Divide line 6 by 21,600 and multiply by 100		S _{DC}		

Route NOT SCORED, DOCUMENTED CONTAMINATION
 IS WITHIN GROUNDWATER

DIRECT CONTACT

PROJECTED HRS SCORE WORKSHEET FOR SCREENING SITE INSPECTION (SSD)					
(This score is based on the expected acquisition of information from the Screening Site Inspection)					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Description	Ref. #
1 Observed Incident	0 45	x1			
If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2					
2 Accessibility	0 1 2 3	x1			
3 Containment	0 15	x1			
4 Waste Characteristics					
Toxicity	0 1 2 3	x5			
5 Targets					
Pop. Within 1 mile	0 1 2 3 4 5	x4			
Dist. to Crit. Habitat	0 1 2 3	x4			
Total Targets Score					
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5					
7 Divide line 6 by 21,600 and multiply by 100			$S_{DC} =$		

Route NOT SCORED, DOCUMENTED CONTAMINATION
WITHIN GROUNDWATER

DIRECT CONTACT

PROJECTED HRS SCORE WORKSHEET FOR LISTING SITE INSPECTION (LSI)					
(This score is based on the expected acquisition of information from the Listing Site Inspection.)					
Rating Factor	Assigned Value (Circle One)	Multi-plier	Score	Description	Ref. #
1 Observed Incident	0 45	x1			
If line 1 is 45, proceed to line 4 If line 1 is 0, proceed to line 2					
2 Accessibility	0 1 2 3	x1			
3 Containment	0 15	x1			
4 Waste Characteristics					
Toxicity	0 1 2 3	x5			
5 Targets					
Pop. Within 1 mile	0 1 2 3 4 5	x4			
Dist. to Crit. Habitat	0 1 2 3	x4			
Total Targets Score					
6 If line 1 is 45, multiply 1 x 4 x 5 If line 1 is 0, multiply 2 x 3 x 4 x 5					
7 Divide line 6 by 21,600 and multiply by 100			S_{DC}		

APPENDIX

Copies of the following addenda have been supplied to the U.S. Environmental Protection Agency and the appropriate state agencies. Refer to these addenda when reviewing this work plan.

Addendum	Title
A	Routine Analytical Services Contract Required Detection and Quantitation Limits
B	Central Regional Laboratory Detection Limits
C	Special Analytical Services Detection Limits Drinking Water Samples
D	Special Analytical Services Detection Limits High Concentration Samples

REFERENCES

REFERENCE DOCUMENTATION SHEET

Ref. #	DESCRIPTION OF REFERENCE
1	<p>ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, (IEPA), July 14, 1988, POTENTIAL HAZARDOUS WASTE Site Preliminary Assessment for BELVIDERE Public Well #6 Illinois, SITE ID# ILD88960768, prepared by Timothy J. Murphy, IEPA, Springfield, Illinois.</p>
2	<p>Waller, Dorothy M., and SANDERSON, ELLIS W., Public Groundwater Supplies in Boone County Illinois STATE WATER SURVEY, Bulletin 60-6, STATE OF ILLINOIS, DEPARTMENT OF REGISTRATION AND EDUCATION, 1974.</p>
3	<p>U.S. DEPARTMENT OF COMMERCE, 1979, CLIMATIC Atlas of the United States, Asheville, North Carolina.</p>
4	<p>DAVIS, S. N., Porosity and Permeability of Natural Materials in Flow-Through Porous Media, R. F. W. DEWEEST ed., Academic Press, New York, 1969.</p>

REFERENCE DOCUMENTATION SHEET

Ref. #	DESCRIPTION OF REFERENCE
5	U.S. CENSUS BUREAU, 1980, GENERAL Population Characteristics, Census of Population.
6	Carlson, Debbie, April 10, 1989, BELVIDERE Health Department, telephone conversation, contacted by Timothy Mayers of E&E.
7	Rockford Map Publishers, Inc., <u>Illinois</u> <u>TRAVEL AND RECREATION GUIDE</u> , Rockford, Illinois.